AMENDMENTS TO THE CLAIMS WITH MARKINGS TO SHOW CHANGES MADE, AND LISTING OF ALL CLAIMS WITH PROPER IDENTIFIERS

1. (Original) A lip-type shaft seal for sealingly separating pressure compartments, in particular for sealing two components movable relative to one another, comprising:

a seal body defining a symmetry axis and made of elastic material which has a Shore A hardness of $\leq$ 75, said seal body having a first radial sealing lip for placement in a pocket and terminating in a second axial sealing lip, said radial sealing lip having a sealing edge and bearing against a rotating component, which extends in a direction of the symmetry axis, said axial sealing lip having a sealing edge which, in installed state, rests against a contact surface oriented radially to the symmetry axis;

a spring element for urging the sealing edge of the radial sealing lip against the rotating component; and

a reinforcing element integrated in a radial sealing portion of the seal body so as to be embraced by one side of the sealing portion,

wherein the axial sealing lip extends at an angle of $\geq 35^\circ$ in relation to the symmetry axis, when the axial sealing lip has not been installed yet and is under no tension,

wherein the axial sealing lip extends from the sealing edge of the radial sealing lip at a length of $\geq$ 1.4mm, when the axial sealing lip has not been installed yet, wherein the axial sealing lip rests against the contact surface at an axial overlap of 0.05 to 0.55 mm, when being installed.

2. (Withdrawn) The shaft seal of claim 1, wherein the axial sealing lip has an angled lip portion at a distance to the sealing edge of the radial sealing lip.

3. (Withdrawn) The shaft seal of claim 2, wherein the angled lip portion extends with respect to the axial sealing lip at an angle of inclination of ≥ 60° in relation to a line which is oriented at a right angle to the symmetry axis.

4. (Withdrawn) The shaft seal of claim 2, wherein the angled lip portion extends at an angle of ascent of ≥ 40° in relation to a line which is oriented at a right angle to the symmetry axis.

5. (Original) The shaft seal of claim 1, wherein the axial sealing lip has a wall thickness which tapers from the sealing edge of the radial sealing lip from ≥ 0.9 mm to ≥ 0.2 mm, when the seal body is under no tension.

6. (Withdrawn) The shaft seal of claim 2, and further comprising a bending joint formed at a junction zone between the angular disposition of the axial sealing lip, on the one hand, and the angle of ascent or angle of inclination of the angled lip portion, on the other hand.

7. (Withdrawn) The shaft seal of claim 6, wherein the bending joint includes a groove formed in junction zone between the axial sealing lip and the angled lip portion.

8. (Withdrawn) The shaft seal of claim 7, wherein the groove has a semi-round configuration.

9. (Withdrawn) The shaft seal of claim 7, wherein the groove is formed on an inside surface of the junction zone and extends in a direction of the symmetry axis.

10. (Withdrawn) The shaft seal of claim 7, wherein the groove is formed on an outside surface of the axial sealing lip.

11. (Withdrawn) The shaft seal of claim 7, wherein the groove is a lubricant reservoir.

12. (Original) The shaft seal of claim 1, wherein the contact surface has a texture.

13. (Withdrawn) The shaft seal of claim 12, wherein the contact surface has a honeycomb structure.

14. (Original) The shaft seal of claim 1, wherein the axial sealing lip has a textured end surface, wherein at least one of the textured end surface and the sealing edge of the axial sealing lip is constructed for abutment against the contact surface, wherein the contact surface is flat or textured.

15. (Withdrawn) The shaft seal of claim 1, wherein the sealing edge of the axial sealing lip has an end lined with a wear-inhibiting coating.

16. (Withdrawn) The shaft seal of claim 15, wherein coating is made of PTFE.

17. (Withdrawn) The shaft seal of claim 1, wherein the contact surface has at least a predetermined region which is lined with a wear-inhibiting coating.

18. (Original) The shaft seal of claim 1, wherein the axial sealing lip has an inside surface formed with a twist element pointing in a direction to the contact surface and toward the symmetry axis for realizing a change in twist.

19. (Withdrawn) The shaft seal of claim 1, and further comprising a rotating centrifugal member for interaction with the axial sealing lip.

20. (Withdrawn) The shaft seal of claim 19, wherein the centrifugal member is a centrifugal sleeve or a centrifugal disk.

21. (Withdrawn) The shaft seal of claim 19, wherein the centrifugal member is securely fixed to the rotating component.

22. (Withdrawn) The shaft seal of claim 22, wherein the rotating component is a shaft.

23. (Withdrawn) The shaft seal of claim 21, wherein the centrifugal member has a sleeve-like configuration and includes cylindrical portion in surrounding relationship to the rotating component, and a radial portion to define the contact surface for support of the axial sealing lip.

24. (Withdrawn) The shaft seal of claim 23, wherein the cylindrical portion has an inner surface area which is formed with a slanted run-on surface to enable a sequential assembly of the shaft seal and the centrifugal member.

25. (Withdrawn) The shaft seal of claim 1, wherein at least one of the radial sealing lip and the axial sealing lip has two or more of said sealing edge.

26. (Withdrawn) The shaft seal of claim 1, wherein the axial sealing lip has an anterior lip which is sized to extend toward the contact surface so as to define a gap between the anterior lip and the contact surface, when the shaft seal is assembled.

27. (Currently amended) The shaft seal of claim 1, ~~and further comprising~~ wherein the spring is a garter spring in surrounding relationship to the radial sealing lip and defined by a diameter, said garter spring being received in an annular groove of a diameter, wherein $\frac{D_0}{D} \geq 1.1$, with D_0 being the diameter of the groove and D being the diameter of the garter spring.

28. (Original) The shaft seal of claim 27, wherein the diameter of the garter spring is ≤ 1.3 mm.

29. (Original) The shaft seal of claim 27, wherein the diameter of the garter spring is ≤ 1.1 mm.

30. (Withdrawn) The shaft seal of claim 1, and further comprising a split retaining ring which is under tension in radial direction and surrounds the radial sealing lip.

31. (Withdrawn) The shaft seal of claim 30, wherein the retaining ring has a rectangular shape.

32. (Original) The shaft seal of claim 1, wherein the seal body is made of elastomer.

33. (Original) The shaft seal of claim 32, wherein the seal body is made of HNBR.

34. (Original) The shaft seal of claim 1, wherein the seal body is made of fluorocarbon rubber.

35. (Original) The shaft seal of claim 1, wherein the seal body is made of fluorocarbon rubber selected from the group consisting of FPM and FKM.

36. (Original) The shaft seal of claim 1 for use as seal for a rolling-contact bearing in a water circulating pump of an internal combustion engine, wherein the sealing edge of the radial seal body is supported directly on the rotating component.

37. (Withdrawn) The shaft seal of claim 23 for use as seal for a rolling-contact bearing in a water circulating pump of an internal combustion engine, wherein the sealing edge of the radial seal body is supported directly on the cylindrical portion of the centrifugal member, and the axial sealing lip is supported on the radial contact surface of the centrifugal member.